DUMITRESCU, Adrian; PAP, Alexandru

Contributions for determining a general analytic method for the prognosis of power consumption in the petroleum production industry. Rev electrotechn energet 6 no.1:207-233 '61.

(Rumania--Petroleum)   (Mining engineering)
            (Atomic energy)

ALESSANDRESCU,Dan; POPESCU,Cornel; DUMITRESCU,Anca

Considerations on acute renal insufficiency post abortum.
Rumanian M. Rev. 3 no. 4:80-82 O-D '59.

1. Polizu Maternity Hospital, Director: Dr. D. Alessandrescu.
     (ABORTION, complications)
     (ACUTE RENAL FAILURE, case reports)

DUMITRESCU, Petre; DUMITRESCU, Anca

On a case of primary abdominal molar pregnancy. Rumanian M Rev. no.2:83-84 Ap-Je '60.

1. This work was carried out in the "Giulesti" Maternity Hospital, Bucharest.

(HYDATIDIFORM MOLE case reports)

Dumitrescu A.

ALESSANDRESCU, Dan; DUMITRESCU, P.; GHEORGHIU, D.; DUMITRESCU, Anca

Potentialization of spinal anesthesia through neuroplegic drugs.
Rumanian M. Rev. 1 no.4:81-84 Oct-Dec 57.
(ANESTHESIA, SPINAL
potentiation by neuroplegic drugs)
(AUTONOMIC DRUGS, eff.
neuroplegic drugs, potentiation of spinal anesth.)

RUMANIA/Pharmacology and Toxicology. Hormonal Preparations.   V

Abs Jour: Ref Zhur-Biol., No 19, 1958, 89961.

Author   : Longhin, S.; Teidosiu T.; Dumitrescu, A.,Rosu, P.
Inst   : -
Title   : Treatment of Skin Tuberculosis with Corticosteroids
           (ACTH).

Orig Pub: Dermato-venerol., 1958, 3, No 1, 59-63.

Abstract: No abstract.

Card   : 1/1

DUMITRESCU, Al., prof. (Bucuresti)

      Review lesson on Africa for the 6th class. Natura
      Geografie 15 no.1:41-44 Ja-F '63.

IONESCU, N.M., ing.; DUMITRESCU, Ana, ing.

Specifications on the briquetting quality of the bituminous coal of Rumania and their employment in the production of coke. Rev min 15 no.11:589-592 N '64.

4

RUMANIA

TEODORESCU, St., Professor; CALUGRA, V., MD; DRAGUSANU, I., MD;
NEGULESCU, V., MD; DUMITRESCU, A., MD.

Bucharest, Igiena, No 6, Nov-Dec 63, pp 529-534

"Organization of Control of Venereal Diseases and Widespread
Skin Diseases on the Building Sites in Bucharest."

(5)

ELEFTERESCU, M.; KOVACS, St.; NAGY, Cs.; DUMITRESCU, A.

Some problems in the establishment of a general power balance. Studii
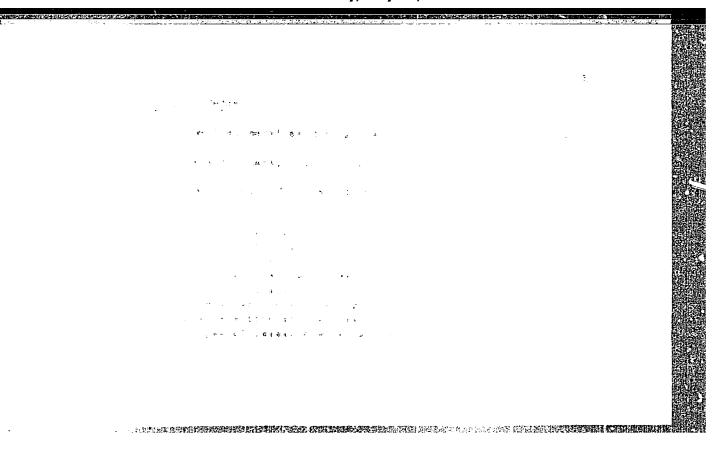cerc energet 11 no.3:421-429 '61.
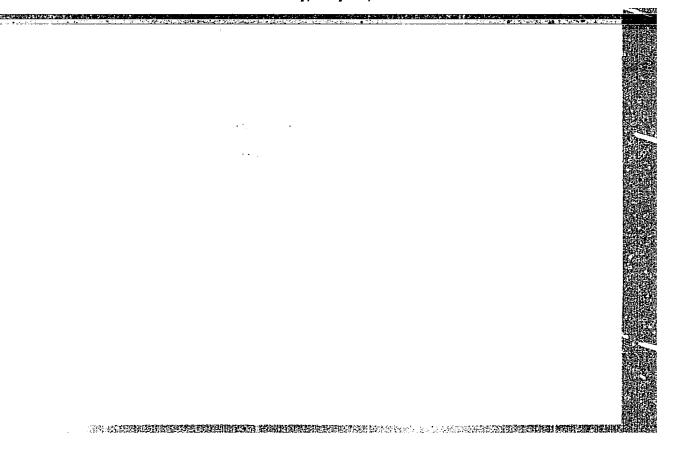
DUMITRESCU, Alexandru

The Humedoara Siemens-Martin furnaces. Constr Buc 16 no.760:3
1 Ag '64.

1. Chairman of the Trade-Union Committee of the Section
of Assembly-Installation Construction Site No.1, I.C.S.H.

DUMITRESCU, Aurel, ing., coresponden!

    Courses of antiseismicity. Constr Buc 16 no.767:4 19 September
    '64.

DUMITRESCU, A.; ELEFTERESCU, M.; KOVACS, S.

On the problem of determining the dynamics of power consumption. In
Russian. p.271.

REVUE D'ELECTROTECHNIQUE ET D'ENERGETIQUE. JOURNAL OF ELECTROTECHNICS AND
ENERGETICS. (Academia Republicii Populare Romine. Institutul de Energetica)
Bucuresti, Rumania
Vol. 3, no. 2, 1958.

Monthly list of Eastern European Accession Index (EEAI) LC vol. 8, No. 11
November 1959
Uncl.

DUMITRESCU, A.; ELEFTERESCU, M.; KOVACS, S.

Contribution to the establishment of the rate of consumption of thermal and electric power. p. 183

Academia Republicii Populare Romine. Institutul de Energetica. STUDII SI CERCETARI DE ENERGETICA. Bucuresti, Rumania. Vol. 8, no. 2, 1958.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7 July 1959.

Uncl.

DUMITRESCU, A. ; ELEFTERESCU, M. ; KOVACS, S.

Determination of the amount of power necessary for the long-term plan,
based on specific power-consumption dynamics. p. 49.

ENERGETICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din
Rominia si Ministerul Energiei Electrice si Industriel Electrotehnice)
Bucuresti, Rumania, Vol. 7, no. 2, Feb. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

AUTHOR: Dumitrescu, A., Engineer, Elefterescu, M.,   SOV/105-59-8-5/28
           Engineer, Kovacl, S ., Engineer, (Bucharest,
           Rumanian People's Republic)

TITLE: Methods of Determining Future Power Consumption

ABSTRACT: The various methods used in various countries for determining
              the dynamics of power consumption are mentioned. In this paper,
              an analytical method of determining the dynamics of the total
              consumption of heat and electric energy is presented, which
              proceeds by summing up the energy consumption in the individu-
              al branches of national economy, making use of the dynamics of
              the specific energy consumption and of the production rate in
              the industrial branch under consideration. This analytical
              method offers better results than conventional methods and is
              better suited to the requirements of a planned economy. The
              dynamics of specific energy consumption is determined from
              earlier statistical data. The future dynamics, however, is de-
              termined on the basis of objective criteria concerning the a-
              mount of specific energy consumption at the end of the period
Card 1/3   which is of interest. If the past and actual specific energy

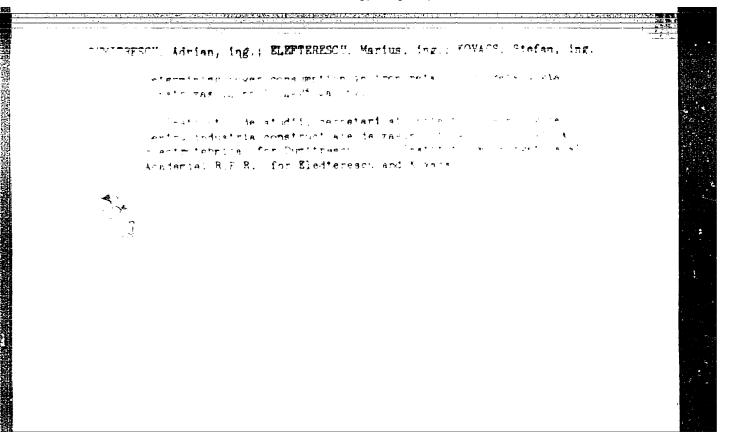Methods of Determining Future Power Consumption   SOV/105-59-8-5/28

consumption and its amount at the end of the future period con-
cerned are known, curves for the dynamics of specific consump-
tion in the future period can be attained. These curves can be
expressed by the exponential equations   and   . Experiments
showed that the course of the curves corresponds to the process
under review. If, however, the dynamics is to be determined on-
ly for short periods during which the specific energy consump-
tion varies only little, and, besides, has varied only little
in the past, the linear relationships   and   , can be used
by way of approximation. This method is used for the determina-
tion of the zone in the dynamics of specific energy consump-
tion which lies between the curves   in
the future period. The same   the chart a
of production, which is specified   at the
figure . If formulas   and   reported graph-
ically, using a logarithmic scale for the estimate, it is pos-
sible to obtain the results of each   alternative by aid-
ing the minutes of the   averages   of the   the
capital saved within a given   the quantity interrat-
ing formula (25 , which expresses the savings in the year t.

Methods of Determining Future Power Consumption   SOV/105-59-8-5/28

Considering (1), (2), and (11), formula (27) is obtained. The capital saved within a given period can also be determined graphically, as explained and shown ... ... addressed the relationship between ... ... the year t_1, the specific ... ... industrial branch, the period of amortization of these invest- ments, and production capacity ... the ... t. Families of straights can be plotted on the basis of formulas 26 and 11, each of which corresponds ... ... the year t. Figure ... presents the ... ... determination of the ... ... specific expenditures in the ... ... references, 2 of which are given.

SUBMITTED: December 24, 1958

Card 3/3

DUMITRESCU, Adrian, ing.

      Aspects of building merchant ships larger than 'XXX '.i.w.
      in Rumania. Metalurgia constr mas 1? no. .

~~~~~~ Adrian, Ing.; ELEFTERESCU, Marius, Ing.; KOVACS, Stefan, Ing.

determining power consumption in iron ore . . . mill . . . via
. . . TAR . . . . on . . .

. . . . secretariat . . . .
. . . industria constructi . . . is TA . . . .
. . . . phri . . . for Dimitrescu . . . .
Academia. R.P.R. for Elefterescu and Kovacs

DUMITRESCU, A., ing.; FELEA, Maria, ing.

Technological processes electronically controlled. St si Teh Buc 14 no.2:3-5 F '62.

DUMITRESCU, Adrian, ing.

Some problems in connection with the manufacture of large marine diesel engines in Rumania. Metalurgia constr mas 14 no.4:375-352 Ap '62.

1. Institutul Tehnologic pentru Constructii de Masini si Electrotehnica.
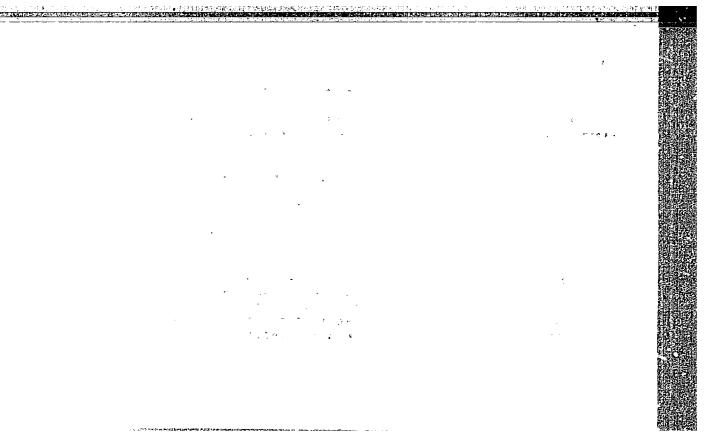
DUMITRESCU, Adrian, ing.

Problems concerning the manufacture of large marine
diesel engines in Rumania. (II) Metalurgia constr
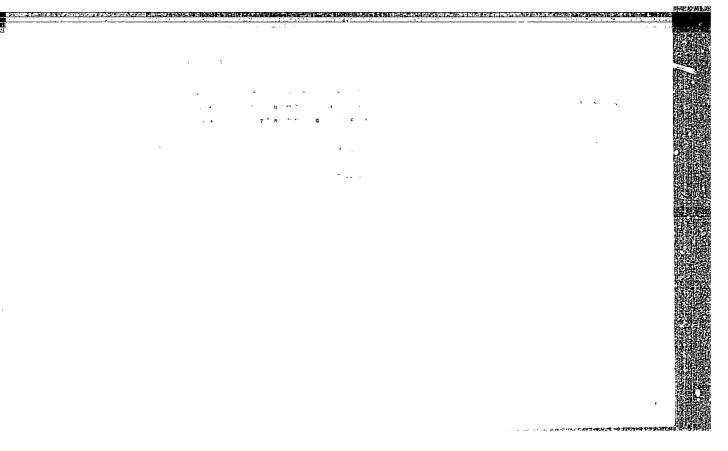nas 14 no.9:805-815 S '62.

1. Institutul Tehnologic pentru Constructii de Masini
si electrotehnica.

DUMITRESCU, Adrian, ing.; BUZESCU, Mircea, ing.; GALIN, Nicolae, ing.

Analytical method for designing the technological sections in shipyards. Constr mas 15 no.6:428-438 Je '63.

1. Institutul Tehnologic pentru Constructii de Masini si Electrotehnica.

L 36012-66   EWP(1)

ACC NR: AP6027333   SOURCE CODE: RU/0018/66/000/001/0018/0024

AUTHOR: Dumitrescu, Adrian (Engineer)

ORG: none

TITLE: Criteria for establishing the economic efficiency of investments in mechanical engineering

SOURCE: Constructia de masini, no. 1, 1966, 18-24

TOPIC TAGS: mechanical engineering, economic development

ABSTRACT: After a general discussion of the criteria to be used in establishing the economic efficiency of mechanical engineering investments, the author describes a method for the calculation of this efficiency. The method is based on a consideration of the norm-established term for the recuperation of the investment. Orig. art. has: 14 formulas and 1 table. [Based on author's Eng. abst.] [JPRS: 36,559]

SUB CODE: 13, 14 / SUBM DATE: none / ORIG REF: 018 / SOV REF: 003
OTH REF: 003

Card 1/1   UDC: 621:338.063.5

PETCULESCU, Ion; DUMITRESCU, Const.

    In support of constructors' efforts. Constr Buc 14 no.651:3
    30 Je '62.

SMIRNA, Ovidiu, corespondent; DIMA, Dumitru, corespondent; DUMITRESCU, Constantin, corespondent; GIURGEA, S., corespondent; BUCUR, St., corespondent

Top collectives in socialist competition. Constr Buc 17 no.790:1, 2 27 F '65.

RUMANIA/Chemical Technology. Chemical Products and Their   H
        Application, Part 3. - Industrial Organic
        Synthesis.

Abs Jour: Referat Zhurnal Khimiya, No 21, 1958, 71642.

Author : C. Dumitrescu.
Inst   :
Title : Ethylmercaptan Preparation of Industrial Alcohol.

Orig Pub: Petrol si gaze, 1957, 8, No 5, 260-264.

Abstract: The process of preparation of C_2H_5SH (I) (used for
        making natural and liquid gas smell) of $C_2H_5SO_4H$ (II)
        and NaHS (III) was studied under laboratory condi-
        tions and with an experimental installation. It is
        shown that the yield of I drops from 53 to 47%, if
        the concentration of the initial C_2H_5OH (IV) dropped
        from 96 to 93%, but, considering that the price of

Card   : 1/4

H

RUMANL./Chemical Technology. Chemical Products and Their
              Applications. Leather. Fur. Gelatin. Tanning
              Materials. Industrial Proteins.

Abs Jour: Ref Zhur-Khim., No 8, 1959, 29946.

Author : Isaila, N. and Dumitrescu, C.
Inst   :
Title   : Comparison of the Drying of Pig Skins by Stretching
          Them on Frames and by Pasting on Boards.

OrigPub: Ind Usoare, 5, No 1, 3-4 (1958) (in Rumanian with
         summaries in German, English, French, and Russian)

Abstract: The structural characteristics of pig skin (PS) are
          such that frame-drying is much to be preferred to
          drying by pasting the skins on boards. A study of
          100 PS dried on frames and pasted on boards has
          given the following average test results: elongation

Card   : 1/2

338

DUMITRESCU, C

Country   : RUMANIA
Category   : Chemical   Technology. Chemical Products and
                Their Applications. Chemical Engineering
Abs. Jour   : Ref. Zhur.-Khimiya, 1959, No 14, No 49802

Author   : Dumitrescu, C.
Institut.   : Not given
Title   : Utilization of the 1 - d Diafram for Heat
                Calculations on Driers

Orig. Pub.   : Ind. usoara, 1958, 5, No 10, 380-383

Abstract   : No abstract.

Card: 1/1

H-6

DUMITRESCU, C.

Influence of the relaxation phenomenon on the variation of leather surfaces. p.209

INDUSTRIA USOARA. (Asociatia Stintifica a Inginerilor si Tehnicienilor din Rominia si Departmentul Industriei Usoare din Ministerului Industriei Bunurilor de Consum)
Bucuresti, Rumania
Vol. 6, no.6, June 1959

Monthly List of East European Accessions (EEAI) LC., Vol. 9, no.1, Jan. 1960
Uncl.

PIRVULESCU, M., dr.; DUMITRESCU, C., dr.; LUNGEANU, M., dr.

Spontaneous (biliodigestive) internal biliary fistulas (with reference
to 2 recent cases). Med. intern. 3:285-294 Mr '62.

1. Lucrare efectuata in Clinica de nutritie si dietetica si Clinica
de radiologie, Spitalul "Dr. I. Cantacuzino".
        (BILIARY FISTULA case reports)   (INTESTINAL FISTULA case reports)
        (CHOLELITHIASIS complications) (PEPTIC ULCER complications)

PAVEL, I.; SDROBOCI, D.; DUMITRESCU, C.; TOPORAG, V.

The importance of exogenous factors in the etiology of obesity.
Cesk. gastroent. vyz. 16 no.3/4:310-313 Ap '62.

1. Clinica de nutritie - dietetica, Bukuresti.
     (OBESITY)   (NUTRITION SURVEYS)   (NUTRITION DISORDERS)
     (PREGNANCY)   (MENOPAUSE)   (ARTERIOSCLEROSIS) (DIABETES MELLITUS)

ROMANIA

DUMITRESCU, Constantin, MD.

Bucharest, Sanatatea, No 12, Dec 63, pp 6-7

"Nutrition of School Children During the Cold Season."

DUMITRESCU, C., dr.

Oral antidiabetic medication.   Med. intern. 15 no.3:273-277 Mr '63.

1. Lucrare efectuata in Clinica de nutritie si dietetica, Spitalul
"Dr. I. Cantacuzino", Bucuresti.
                        (ANTIDIABETICS)

JELEA, Al., dr.; RACOVEANU, Carmen, dr.; ILIE, E., dr.;
    SUTEANU, St., dr.; DUMITRESCU, C., farm.; GAVRILA, F., extern.

Contribution to the study of treatment with α -chymotrypsin
in bronchopulmonary diseases. Med. intern. 15 no.4:495-498
Ap '63.

1. Lucrare efectuata in Institutul de medicina interna, al
Acad. R.P.R. si al M.S.P.S. (director: acad. N. Gh. Lupu).
        (CHYMOTRYPSIN)   (BRONCHITIS)
        (PULMONARY EMPHYSEMA)   (ASTHMA)
        (BRONCHIECTASIS)   (BRONCHIAL SPASM)

CIMPEANU, S., dr.; DUMITRESCU, C., dr.; BONAPARTE, H., dr.; PAVEL, I.,
    prof.

    Endogenous bilirubin-ferric clearance in functional explora-
    tion of the liver. Med. intern. 15 no.11:1353-1360 N '63.

    1. Lucrare efectuata in Clinica de nutritie si dietetica din
    Bucuresti (director: prof. I. Pavel).
            (LIVER FUNCTION TESTS)   (BILIRUBIN)
            (IRON)   (HEPATITIS)   (LIVER CIRRHOSIS)

CIMPEANU,S., dr.; DUMITRESCU,C.dr.; BONAPARTE,H.dr.; MIHALACHE,N., dr.;
prof. I.Pavel.

The clearnace of endogenous iron in liver diseases. Med. intern.
16 no.2:179-184   F'64

1. Lucrare efectuata in Clinica de nutritie si dietitica,
Bucuresti, (director: prof. I.Pavel).

PAVEL, I., prof.; CIMPEANU,S., dr.; PIRVULESCU,M. dr.; DUMITRESCU,C.,dr.

Surgical treatment in medical jaundices. Selective patho-
genic operative indications. Med. intern. (Bucur.) 16 no.4:
401-411 Ap'64.

1.Clinica de nutritie si dietetica din Bucuresti (director:
prof. I.Pavel).

PAVEL, I., prof.; BONAPARTE, H., dr.; DUMITRESCU, C., dr.

Acute adrenal cortex insufficiency as a cause of late death in
some cases of apparent recovery from diabetic coma. Med. intern.
(Bucur) 16 no.9:1065-1074 S '64.

1. Lucrare efectuata in clinica de boli de nutritie, Spitalul
"Dr. I. Cantacuzino" (direktor: prof. I. Pavel).

DUMITRESCU, C., dr.; COVANOV, D., dr.; VASILESCU, V., dr.

Biguanides in oral therapy of diabetes. Med. intern. (Bucur.)
17 no.4:445-451 Ap '65.

1. Lucrare afectuata in Clinica de boli de nutritie, Spitalul
"Dr. I. Cantacusino", Bucuresti (director: prof. I. Pavel).

PAVEL, I.; SDROBICI, D.; DUMITRESCU, C.; TOPORAS, V.

Prevention of obesity. Stud. cercet. endocr. 16 no.3:
243-251 '65.

MURGOCI,C., dr.; BERCU,G., dr.; DUMITRESCU, Cr., dr.; CRAISING, C., dr.

The familial factor in Marfan's syndrome (Apropos of 9 cases observed in 3 generations of the same family). Med. intern. (Bucur.) 16 no.11:1367-1375 N '64

1. Lucrare efectuate in Sectia de boli interne a Spitalului Rimnicu Sarat.

FARCASANU, M., dr.; HOLAN, T., dr.; DEREVENCO, V., dr.; DUMITRESCU, D., dr.

Data to the problem of thyroid dysfunction occurring in func-
tional disorders of the central nervous system. Orv. hetil.
106 no.36:1695-1697 5 S'65.

1. Cluj-Kolossvari Nuklearis Orvosi Intezet, Roman Nepkoztar-
sasag (vezeto: Holan, T., dr.).

DIMITRESCU, D.

Airplane modelers prepare themselves for the international contest in the Hungarian People's Republic. p. 19.

ARIPILE PATRIEI

Vol. 2, no. 5, May 1956

Rumania

Source: EAST EUROPEAN LISTS   Vol. 5, no. 10   Oct. 1956

PASCALIDE, G., ing.; DUMITRESCU, Doina, chim.

Methy-isobutyl-carbinol as a foaming collector reagent for coal flotation. Rev min 12 no.6:271-275 Je '61.

DUMITRESCU, Doina, chim.; PASCALIDE, Gh., ing.

Measurement of the angles of contact executed for the efficacy
of some collector determination. Rev min 14 no.9:403-410 S '63.

DUMITRESCU, Doina; PASCALIDE, Gh.

    Foaming agents in ore dressing by flotation. Rev min 15 no.1:26-32
Ja '64.

PASCALIDE, Gh., ing.; POPOVICI, Ana, ing.; DUMITRESCU, Doina, chimist; ZAREA, Silvia, ing.; GHEORGHE, Elena, chimist

Research and results in the field of synthesis and utilization of flotation reagents. Rev min 15 no.11:592-595 N '64.

DUCA, M.; DUCA, Eugenia; BIBERI-MORIANU, Sanda; VANCEA, Georgeta;
        HANDRACHE, Ludmila; TEODOROVICI, Gr.; POPA, S.; BUZDUGAN, I.;
        MARDARI, A.; OANA, C.; DUMITRESCU, D.; IVAN, A.; BUSILA, I.

        Immuno-epidemiological research on encephalitis transmitted
        by sheep ticks. Stud. cercet. inframicrobiol. 15 no.3:
        231-239 '64.

DUMITRESCU, D.; IANCU, C.M.

The sharp-edged spillways. Studii cerc mec apl 12 no.6:1219-1238
'61.

1. Membru corespondent al Academiei R.P.R. (for Dumitrescu)

DUMITRESCU, D.; IAMANDI, C.; IONESCU, D. Gh.

Canals with lateral evacuation. Studii cerc mec apl 12 no.6:1205-1218 '61.

1. Membru corespondent al Academiei R.O.R. (for Dumitrescu)

DUMITRESCU, D.

RUMANIA/General Problems of Pathology - Tumors.   T-5

Abs Jour : Ref Zhur - Biol., No 4, 1958, 17423

Author   : Pecurariu, O., Bretin. N., Cirstocea, I., Tataru, B.,
            Dumitrescu, D.

Inst   : —

Title   : On a Case of Leucosarcoma.

Orig Pub : Med. interna, 1956, 8, No 4, 590-596

Abstract : This is a report on a case of leucosarcoma in a 15-year
            old girl, characterized by fever, amenorrhea, a papular
            erythematous rash (leukemids) on the face, neck and
            shoulders, increased cervical, submaxillary and inguinal
            nodes, hepatosplenomegaly, anemia, pronounced leukopenia
            and elevated ESR. A histologic study of the mammary gland
            tumor and of an enlarged lymph node in the axilla revealed
            a round cell sarcoma. A bone marrow specimen showed predo-
            minance of hemocytoblasts (the author uses the term lympho-
            blast), paramyeloblasts and micromyeloblasts. During the

Card 1/2

OIANESCU, O.; DUMITRESCU, D.; STERJA, M.; IAMANDI, O.

Contribution to the solution of the problems of cysto-sphincterometry.
Probl. ter., Bucur. 10 no.1:48-56 1959.
(BLADDER
sphincterometry, appar. method & problems)

OLANESCU, G.; DUMITRESCU, D.; STREJA, M.; IAMANDI, C.

Contribution to the solution of the problems of cystosphincterometry.
Probl. ter. 10 no.1:47-56 '59.

(BLADDER physiol)
(UROLOGY equipment & supplies)

POPPA, C., dr.; POPA, I., chimist; Colaboratori tehnici: PETRIS, Ioana; DUMITRESCU, Domnica

Filtrated plasma, a reagent for testing the activity of coagulation factor VII. Med. intern. 13 no.10:1439-1444 O '61.

1. Lucrare efectuata in Institutul de hematologie Bucuresti, director, prof. C. T. Nicolau.

     (BLOOD COAGULATION)   (PLASMA)
     (INDICATORS AND REAGENTS)

PECURARIU, O., dr.; ROIBAS, P., dr.; CINDEA, Valentina, dr.; RADUT, M., dr.;
IONESCU, Al., dr.; BRETIN, N., dr.; DUMITRESCU, D., dr.; POPESCU-
NAFTAN, M., dr.

Chronic secondary hemorrhagic thrombocythemia. Med. intern. 14 no.2:
235-239 F '62.   (BLOOD PLATELETS)

RUSSU, I.G.; STOICA, E.; DUMITRESCU, D.

Acrodystrophy as a diagnostic element in endemic thyropathic dys-
trophy. Stud. cercet. endocr. 14 no.4/5/6:637-642 '63.

DUMITRESCU, D., acad.; IAMANDI, C.; IANCU, C.M.

Study of tne spillway used for torrent improvement work. Studii
cerm meo apl 16 [i.e. 15] no.3:549-560 '64.

1. Submitted February 21, 1964.

FODOR, O.; DUMITRASCU, D.; BADEA, Gh.; BAN. A.; TRACOR, S.; CALU, C.;
    SZANTAY, I.

    Adaptive and pathological changes in the jejunum and ileum
    after stomach surgery. Stud. cercet. med. intern. 5 no.2:167-
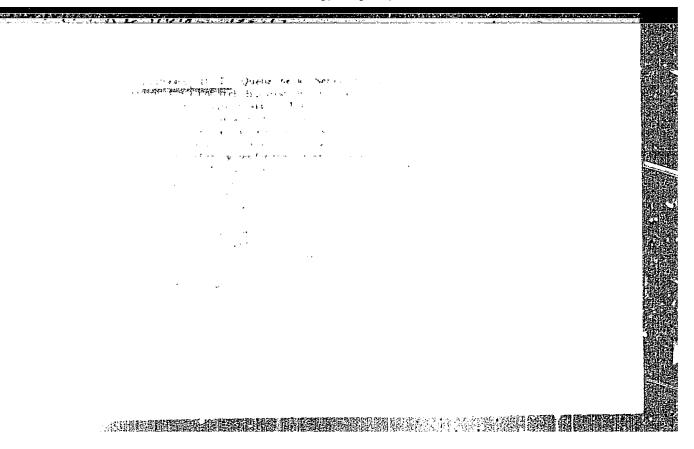   172 '64

DUMITRESCU, Dumitru, acad. prof. dr.

Precence of Rumanian science overseas. St si Teh Buc 17 no.3:
2-5 Mr '65.

1. First Secretary of the Rumanian Academy.

DUMITRESCU, D.F., conf. ing., candidat in stiinte tehnice; GASPAR, S., ing.

Development of scientific research on constructions and the construction material industry. Rev constr si mat constr 16 no.10:501-509 O '64.

1. Director, Institute of Building Research and Construction Economics (for Dumitrescu). 2. Assistant Director, Institute of Planning for Constructions and Building Materials, Bucharest (for Gaspar).

LUPAN,M., ing.; NICULESCU,D.D., ing.; TANNENBAUM,M., ing.; CAMBUREANU,A.,
    ing.; LOBEL, L., ing.; DUMITRESCU, D.V., ing.

    Some aspects and results of technical and scientific cooperation
    between the Institute of Building Research and Construction
    Building Economics, and the Progresul Plant of Prefabricated
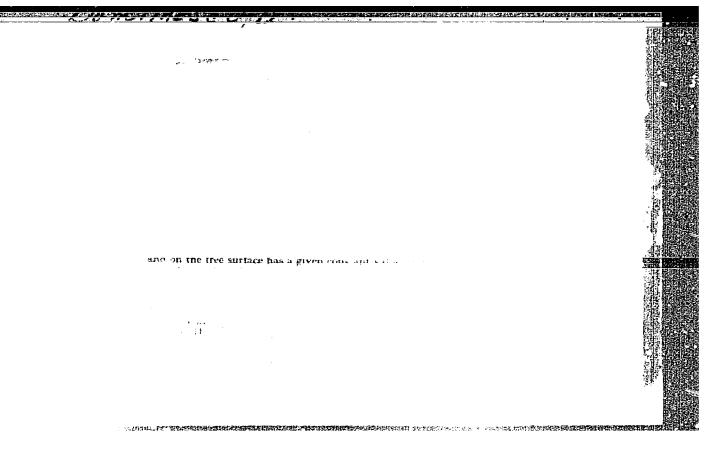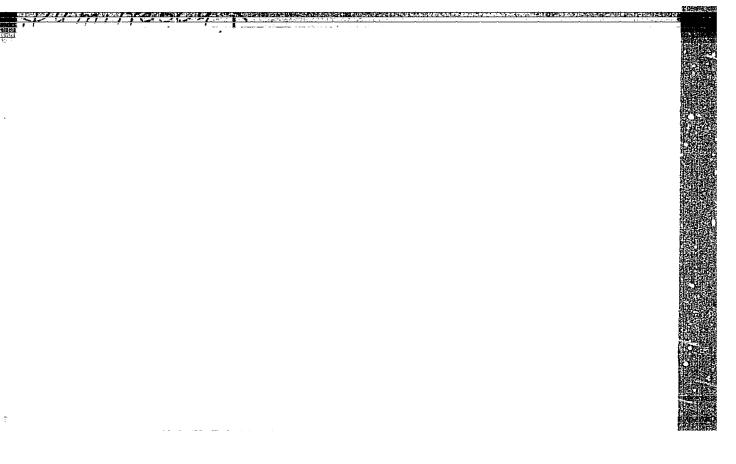   Parts, Bucarest. Rev constr si at constr 15 no.9:493-497 S'63.

DUMITRESCU, D.

DUMITRESCU, D

"Calculation of the carrying capacity of ferroconcrete plates by the method of critical equilibrium according to Professor A. A. Gvozdev." p. 9 (Industria Constructiilor Si A Materialelor De Constructii, Vol. 2, No. 10/11, Oct./Nov., 1951, Bucuresti)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June. 1954, Uncl.

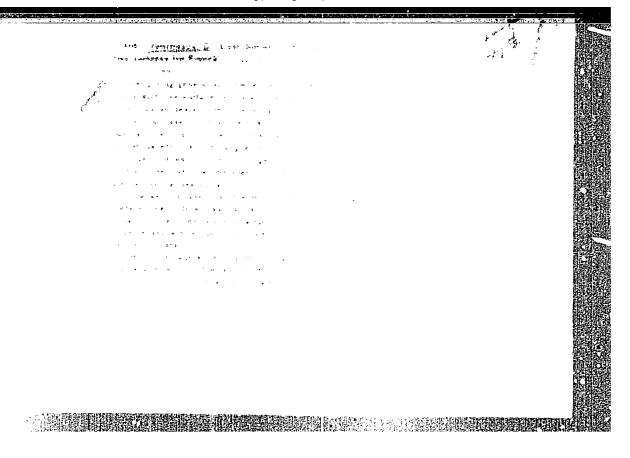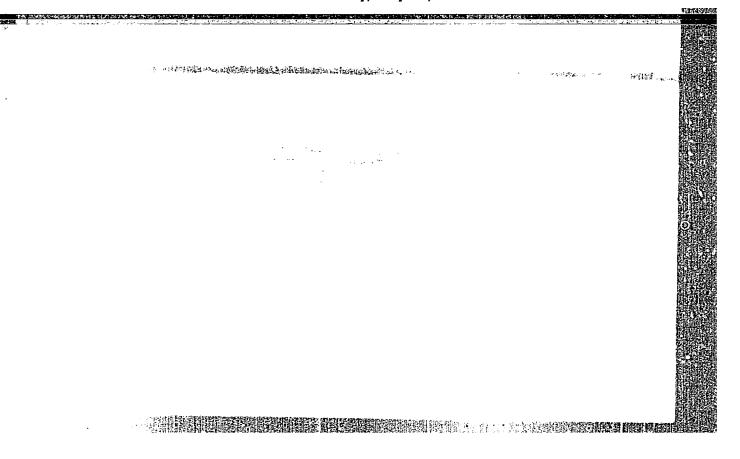and on the free surface has a given cons. and c.f ..

DUMITRESCU, D.; IONESCU, V.; TOTH, R.

    Application of the network method to study the motion of heavy fluids with open surfaces. p. 339. Academia Republicii Populare Romine. Institutul de Mecanica Aplicata. STUDII SI CERCETARI DE MECANICA APLICATA. Bucuresti. Vol. 6, no. 3/4, July/Dec. 1955

So. East European Accessions List   Vol. 5, No. 9   September, 1956

DUMITRESCU, D.

 Movement agitated by a vortex tube of finite dimensions. In Czech and French.
p. 15.
 ROZPRAVY, RADA TECHNICKO-VEDECKA, Prague, Vol. 66, no. 3, 1956.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956,
     Uncl.

DUMITRESCU, D. V.

Important tasks for the Institute for Scientific Research in Construction. p. 3.
(CONSTRUCTORUL. Vol. 9, no. 374. March 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
    Uncl.

Dumitkesku, D.

24-58-3-30/38

AUTHOR: Dumitresku, D. (Bucharest)

TITLE: The   Unsteady   One-Dimensional Flow of a Viscous Fluid
(O nestatsionarnom odnomernom techenii vyazkoy zhidkosti)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
Nauk, 1958, Nr 3, pp 163-164 (USSR)

ABSTRACT: The velocity distribution U(x,y) in fluid flow of the
viscosity μ , under a constant pressure gradient between
two parallel plates distance 2h apart is given by Pois-
euille's parabolic law. The differential equation in terms
of the flow function is:

$$\frac{\partial \Delta\phi}{\partial t} + \frac{\partial\phi}{\partial y}\frac{\partial\Delta\phi}{\partial x} - \frac{\partial\phi}{\partial x}\frac{\partial\Delta\phi}{\partial y} = \nu\Delta\Delta\phi \qquad (1)$$

giving:

$$\frac{\partial\phi}{\partial t} = \nu\frac{\partial^2\phi}{\partial y^2} \qquad (2)$$

A partial solution of which is:

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24-58-3-30/38

The Unsteady One-Dimensional Flow of a Viscous Fluid.

$$\phi = \sum_{n=1}^{n=\infty} \alpha_n \exp(-\lambda_n^2 \mathcal{V}^2 t) \sin \lambda_n y \quad . \tag{3}$$

The boundary conditions are: 1) Velocity $U(y,t)$ at parallel plates is zero at all times

$$U(y,t) = \frac{\partial \phi}{\partial y} = 0 \quad \text{for} \quad y = \pm h \tag{4}$$

2) Velocity distribution at $6 = 0$ is known to be

$$U_o(y,0) = \left(\frac{\partial \phi}{\partial y}\right)_{t=0} = \frac{h^2}{2\mu} \frac{\partial p}{\partial x} \left[1 - \left(\frac{y}{h}\right)^2\right] \tag{5}$$

Using the non-dimensional terms

$$\xi = \frac{x}{h} \quad , \quad \eta = \frac{y}{h} \quad , \quad \tau = \frac{t\mathcal{V}}{h^2} \quad , \quad \phi^* = \frac{\phi}{hU_{max}} \quad , \quad U^* = \frac{U}{U_{max}}$$

Card 2/6 and corresponding constants:

24-58-3-30/38

The Unsteady One-Dimensional Flow of a Viscous Fluid.

$$\beta_n^2 = h^2 \lambda_n^2 \, , \quad A_n = \frac{\alpha_n}{h U_{max}} \qquad \left(U_{max} = \frac{h^2}{2\mu} \frac{\partial p}{\partial x} \right)$$

then (2), (3), (4), (5) become

$$\frac{\partial \phi^*}{\partial \tau} = \frac{\partial^2 \phi^*}{\partial y^2} \tag{6}$$

$$\phi^* = \sum_{n=1}^{n=\infty} A_n \exp(-\beta_n^2 \tau) \sin \beta_n \eta \tag{7}$$

$$U^* = \frac{\partial \phi^*}{\partial \eta} = \sum_{n=1}^{n=\infty} \beta_n A_n \exp(-\beta n^2 \tau) \cos \beta_n \eta = 0 \quad \text{for } \eta = \pm 1 \tag{8}$$

Card 3/6

24-53-3-30/38

The Unsteady One-Dimensional Flow of a Viscous Fluid.

$$U_o^* = \left(\frac{\partial \psi^*}{\partial \eta}\right)_{\tau=0} = \sum_{n=1}^{n=\infty} \beta_n A_n \cos \beta_n \eta = 1 - \eta^2 \qquad (9)$$

To satisfy boundary conditions (8) put $\beta_n = 1/2(2n-1)\pi$ and obtain for $U^*(\eta,\tau)$

$$U^*(\eta,\tau) = \sum_{n=1}^{n=\infty} \frac{(2n-1)\pi}{2} A_n \exp\left(-\left[\frac{(2n-1)\pi}{2}\right]^2 \tau\right) \cos \frac{(2n-1)\pi}{2} \eta \qquad (10)$$

Constant A_n is determined from (9) and from series $x=1/2\pi\eta$

$$1 - \eta^2 = 32 \sum_{n=1}^{n=\infty} \frac{(-1)^{n-1}}{\pi^3(2n-1)^3} \cos \frac{(2n-1)\pi}{2} \eta \qquad (11)$$

Comparison of velocity $U^*(\eta,\tau)$ in (10) with (11) gives

Card 4/6

24-58-3-30/38

The Unsteady One-Dimensional Flow of a Viscous Fluid.

$$A_n = \frac{(-1)^{n-1}64}{\pi^4(2n-1)^4}$$ giving the final form

$$U^*(\eta,\tau) = \frac{32}{\pi^3}\sum_{n=1}^{n=\infty}\frac{(-1)^{n-1}}{(2n-1)^3} \times \exp\left(-\left[\frac{(2n-1)\pi}{2}\right]^2\tau\right)\cos$$

$$\cos\frac{(2n-1)\pi}{2}\eta \qquad . \qquad (12)$$

Fig.2 gives the velocity distribution for different values of τ

$$\psi^* = 64\sum_{n=1}^{n=\infty}\frac{(-1)^{n-1}}{\pi^4(2n-1)^4}\exp\left(-\left[\frac{(2n-1)\pi}{2}\right]^2\tau\right)\cos\frac{(2n-1)\pi}{2}\eta$$

is a solution of (6) and is also a partial solution of the

Card 5/6

24-58-3-30/38

The Unsteady   One-Dimensional Flow of a Viscous Fluid.

Navier-Stokes equations for non-stationary, one-dimensional flow. This reproduces in a plane the classical results obtained by M. P. Szimanski ("Quelques Solutions Exactes des Equations de L'hydrodinamique du Fluide Visqueux dans le Cas d'un Tube Cylindrique", J.Math.,pp.67-107,1932)(Ref.3) for axis-symmetrical flows.
(This is a completetranslation).
There are 2 figures and 3 references, 1 of which is Soviet, 1 German and 1 French.

SUBMITTED: November 20, 1957.

Card 6/6   1. Fluid flow--Velocity--Mathematical analysis

Dumitrescu, D.; Ionescu, V.

Numerical method in the study of the runoff across the overfall.
p. 387.

Academia Republicii Populare Romîne. COMUNICARILE. Bucuresti, Rumania.
Vol. 8, no. 4, Apr. 1958

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959

Uncl.

(DUMITRESCU, D., AND OTHERS.

Cystosphincterometer in continuous functioning under constant pressure and temperature. p. 799.

COMUNICARILE. Bucuresti, Rumania, Vol. 8, no. 8, Aug. 1958

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

Dumitrescu, D. ; Ionescu, D.

Numerical methods in the study of the axially symmetrical motion of ideal fluids.
p. 919.

Academia Republicii Populare Romine. STUDII SI CERCETARI DE MECANICA APLICATA.
Bucuresti, Rumania. Vol. 9, no. 4, 1958.

Monthly List of East European Accessions (EEAL) LC Vol. 9, No. 2, January 1960.

Uncl.

16(1),10(4)

AUTHOR: Dumitresdu,D.   SOV/20-123-6-2/50

TITLE: On the Question of Axial Symmetric Motions of Fluids (K voprosu
             ob osesimmetrichnykh dvizheniyakh zhidkosti)

PERIODICAL: Doklady Akademii nauk SSSR, 1958,Vol 123,Nr 6,pp 963-966 (USSR)

ABSTRACT: The author considers the axial symmetric flow around of bodies
             symmetrical with respect to the axis of the channel. He proposes
             two methods for the approximate solution of the problem. The
             first method is a modification of the method of Smith [Ref 1]
             applied by smith for the potential flow around of bodies of
             rotation in the infinite space. The solution is represented
             approximately by a polynomial in Bessel functions and satisfies
             exactly the conditions at the walls of the channel and inexactly
             the conditions at the surface of the body flown around. The
             second method consists in the application of difference equations
             and a following successive approximation, where the author forms
             the so-called "remainder" according to Southwell [Ref 2] and
             Allen [Ref 3].
             There are 4 figures and 3 references, 2 of which are English, and
             1 American.

Card 1/2

On the Question of Axial Symmetric Motions of Fluids   SOV/20-123-6-2/50

ASSOCIATION: Akademiya nauk Rumynskoy Narodnoy Respubliki (AS of the
            Roumanian People's Republic)
PRESENTED: August 6, 1958, by S.L.Sobolev, Academician
SUBMITTED: July 29, 1958

Card 2/2

DUMITRESCU, D.; IONESCU, D.

Numerical methods for studying the axial-symmetrical motion of ideal
fluids. In English. p. 429.

REVUE DE MECANIQUE APPLIQUEE. (Academia Republicii Populare Romine.
Institutul de Mecanica Aplicata)
Bucuresti, Rumania
Vol. 4, no. 3, 1959.

Monthly list of Eastern European Accession Index (EEAI) LC vol. 8, No. 11
November 1959
Uncl.

DUMITRESCU, Elena

    Marine polychaetes in the Rumanian littoral zone; 1-20 m. deep.
    Trav Mus Nat 4:181-192 '63.

BACESCU, Mihai; DUMITRESCU, Elena; MARCUS, Amelie; PALADIAN, Gabriela;
MAYER, Rudolf

Some quantitative data on the petricolous fauna of the
Black Sea, in the Agigea Rumanian sector, under the special
conditions of 1961. Trav Muz Nat 4:131-155 '63.

1. "Gr.Antipa" Museum of Natural History.

PETRESCU. Cornelia, Prof.; VRGIOIU, Gh., Dr.; MORFA, I., Dr.;
STOLNICU, V., Dr.; PANA, I., Dr.; RELL.STRU G., Dr.
THERA, Dr.; MIRCEST C., Dr.; PRGIERSCU, Mihai, Dr.;
ANGELE C., Dr.

Considerations on the phenastabl bc allustron of ...anth-
pharolory and numaticals, Otorinolaringologie (Ru ..) in
mediator Bucharest.

1. Library, situate in clinic a de oterinolaringologie,
Bucharest.

L 31855-66

ACC NR: AP6021283   SOURCE CODE: RU/0003/65/016/001/0041/0041

AUTHOR: Calafeteanu, I.--Kalafetyanu, I.; Dumitrescu, E.--Dumitresku, Ye.;
Grintescu, P.--Grintsesku, P.

ORG: Chemical-Pharmaceutical Research Institute (Institutul de cercetari chimico-
farmaceutic)

TITLE: Quantitative determination of diacetylhexestrol

SOURCE: Revista de chimie, v. 16, no. 1, 1965, 41

TOPIC TAGS: drug, pharmacology

ABSTRACT: Since the drug Sintofolin (diacetylhexestrol) is to be listed for the
first time in the new Pharmacopaeia, the authors tested several methods for its
determination. Results with gravimetric and volumetric determination methods were
not satisfactory, but a simple, precise and reproducible method of bromatometric
determination was elaborated and is described. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 002

Card 1/1   JS

Dumitrescu, E,

DUMITRESCU, E.

"Solving Volterra integral equations through development in series",
p. 542 "issued by the Rumanian Society of Mathematics nd Physics,
Monthly". (GAZETA MATEMATICA SI FIZICA, S RIA A., Vol. 12, Dec. 1954.
Bucuresti, Rumania).

SO: Monthly List of East European Accession, (EEAL), LC. Vol. 4, No. 5,
May, 1955.

RUMANIA/Human and Animal Physiology. The Nervous System.   V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 27428.

Author : C. Giurgea, Gr. Strungaru and E. Dumitrescu
Inst   :
Title   : Regulation of the Level of Excitatory and
          Inhibitory Processes in Relation to Changes
          in the Tone of the Cerebral Cortex.

Orig Pub: Fiziol. norm. si patol., 1956, 3, No 5, 529-540.

Abstract: In dogs the limit of the strength of the exci-
          tatory process was higher when the threshold of
          excitation was determined under conditions in
          which free motor movement was possible than in
          experiments carried out in a chamber in which
          movement was restricted. Under these conditions

Card   : 1/2

DUMITRESCU, E.

A device for electric winding of the interior axle of a flexible cable. p. 4.
(TEHNICA NOUA. RUMANIA. Vol. 3, no. 57, July 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

RUMANIA/Human and Animal Physiology - (Normal and Pathological).   T
            Digestion. The Stomach.

Abs Jour   : Ref Zhur Biol., No 4, 1959, 17565

Author   : Groza, P., Dumitrescu, E., Statescu, L.
Inst   : -
Title   : Investigations of the Role of the Prepyloric Region in
              the Regulating Mechanism of Secretory Activity of the
              Stomach.

Orig Pub   : Studii si cercetari fiziol., Acad. RPR, 1957, 2, No 3-4,
              321-331

Abstract   : No abstract.

Card 1/1

DUMITRESCU, E-
DZHURDZHEA, K. [Jurjea, C], STRUNGARU,.O., DUMITRESKU, Ye. [Dumitrescu,E]

Irritation and inhibition processes as a function of tonus of the
cerebral cortex [with summary in English]. Zhur.vys.nerv.deiat.
8 no.3:403-409 My-Je '58
(MIRA 11:8)

1. Elektroentaefalogicheskoye otdeleniye instituta normal'noy i pato-
logicheskoy fiziologii im. D. Danielopolu Akademii Rumynskoy Narodnoy
Respubliki i Kafedra normal'noy i patologicheskoy fiziologii Instituta
usovershenstvovaniya vrachey, Bukharest.
        (CEREBRAL, CORTEX, physiology,
            relation of inhib. & irritation to tonus (Rus))

8/044/62/000/012/020/049
A060/A000

AUTHORS: Bădescu, Radu, Dumitrescu, Eugeniu

TITLE: On an integro-differential equation

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1962, 63 - 64, abstract
             12B281 (An. ştiinţ. Univ. Iaşi, 1960, sec. 1, v. 6, no. 3, supl.,
             617 - 622; Rumanian; summaries in Russian, French)

TEXT: The Volterra integral equation

$$\int_0^x K(t)\,\Phi(t)\,dt = F(x), \quad 0 \leqslant x \leqslant b, \quad a \in (0, b) \tag{1}$$

is considered with nucleus

$$K(t) = \sum_{m=0}^{n} \frac{k_m}{(t-a)^{m+1}}, \quad k_n \neq 0, \tag{2}$$

and the integral is to be understood as its principal value in the sense of Hada-
mard (RZhMat, 1955, 2711; RZhMat, 1958, 253). In the presence of certain as-

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On an integro-differential equation
S/044/62/000/012/020/049
A060/A000

sumptions as to $F(x)$ it is demonstrated that equation (1) has a solution continuous on $[0, b]$ together with its derivatives up to the n-th order inclusively. Formulae are obtained, representing this solution on the half-segments $[0, a)$ and $(a, b]$, respectively. Abstracter's note: Fredholm integral equations with nucleus (2) have been investigated by Sh. Platrier (J. Math., 1913, ser. 6, v. 9, fasc. 3).

G.S. Litvinchuk

[Abstracter's note: Complete translation]

Card 2/2

MARINESCU, G.; DUMINICA, A.; VALERIU, A.; PREDESCU, I.; DUMITRESCU, E.;
DIACONU, S.

Encephalitis and encephalomyelitis after anti-rabies vaccination.
Stud. cercet. inframicrobiol. 14 no.1:31-39 '63.

1. Comunicare prezentata la cel de-al II-lea Simporion romino-bulgar
asupura encefalitelor actuale, Sofia, 1-3 noiembrie 1962.
(RABIES)   (VACCINATION)   (ENCEPHALITIS, POST-VACCINAL)
(ENCEPHALOMYELITIS)

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RUMANIA

IONESCU STOIAN, P., Professor; DUMITRESCU, Elena.

Bucharest, Farmacia, No 9, Sep 63, pp 545-548

"The Rumanian Pharmacopoeia, 8th Edition."